



MYPOWER

the blockchain-powered energy tokenization platform



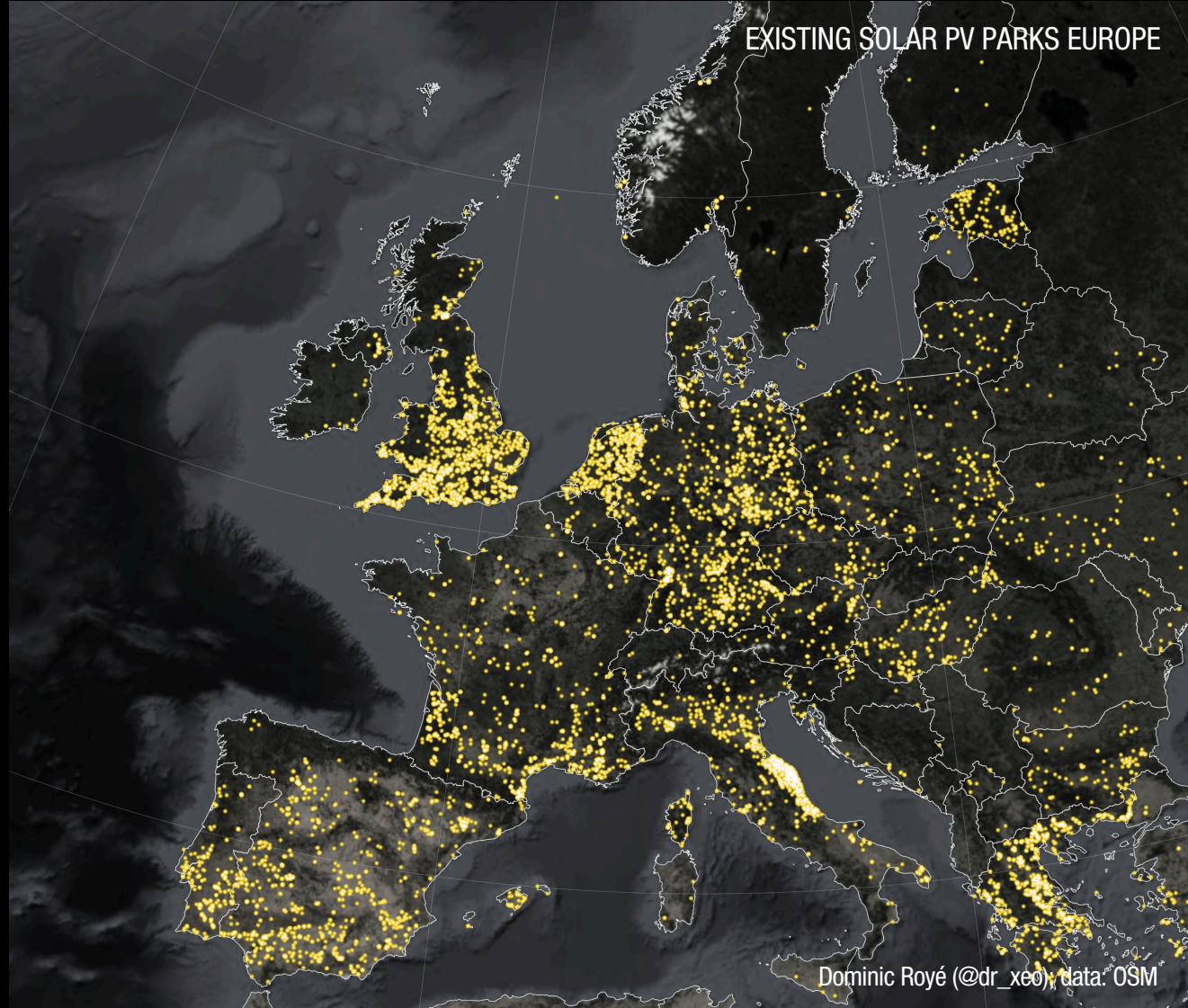
RENEWABLE ENERGY SOURCES ARE HIGHLY DISTRIBUTED: THE PERFECT FIT FOR INDUSTRIAL DLT ADOPTION

NUMBER OF PRODUCTION UNITS REQUIRED TO
SATISFY GLOBAL ENERGY DEMAND

IN THE YEAR 2000
THOUSANDS

VS.

BILLIONS
IN THE YEAR 2050





THE ENERGY TRANSITION

„IS THE BIGGEST COMMERCIAL OPPORTUNITY OF OUR AGE“ (UN ENVOY UN MARK CARNEY)

> 100,000,000,000,000

USD investment requirements into clean energy until 2050,
according to IEA Roadmap to Net Zero (IEA 2021)



EVERYONE SHOULD GET ITS SHARE OF THE GREEN NEW DEAL

ENVIRONMENTAL

INCREASE PROFITABILITY OF GREEN ENERGY ASSETS

ACCELERATE RENEWABLE ENERGY EXPANSION

EFFICIENT CREATION & MGMT OF ENERGY CERTIFICATES

HIGHEST EFFICIENCY BLOCKCHAIN TECHNOLOGY

SOCIAL

EASY SET-UP OF P2P ENERGY COMMUNITIES

CHANGE: CONSUMER TO PROSUMER

ENABLES TRANSPARENT ENERGY DONATIONS

CITIZEN OWNED POWER PLANTS

GOVERNANCE

REGULATORY COMPLIANCE

INCLUSIVE PRODUCT DESIGN

TRANSPARENT SMART CONTRACT & POLICY MANAGEMENT

100% TRUSTED DATA SOURCES



MYPOWER HELPS USERS ACHIEVING THEIR ESG GOALS





HURDLES OF PARTICIPATION

ASSET SIZE

- TOO BIG FOR SMALL INVESTORS
- TOO SMALL FOR BIG INVESTORS

TRANSPARENCY

- RISING NUMBER OF OWNERS WITHOUT ENERGY EXPERTISE
- HARD FOR THEM TO KNOW:
 - Does asset exist?
 - How does it perform?
 - Is profit distributed as contracted?

PROFITABILITY

- FIXED FEED-IN TARIFFS OFTEN INSUFFICIENT TO MEET PROFITABILITY TARGETS



LACK OF LIQUIDITY

Lack of projects and/or funding



TOKENIZATIONS SOLVES KEY PROBLEMS

ASSET SIZE

- ASSET AGGREGATION
- ASSET DISAGGREGATION

TRANSPARENCY

- ALL TX ON DISTRIBUTED LEDGER
- STANDARDIZED & CERTIFIED PROCESSES OF SECURITIZATION
- GUARANTEED CONTRACT EXECUTION

PROFITABILITY

- ACCESS TO NEW, DECENTRALIZED MARKET PLACES
 - PPAs
 - Virtual Power Plants
 - Energy communities
 - Grid balancing
 - Data markets



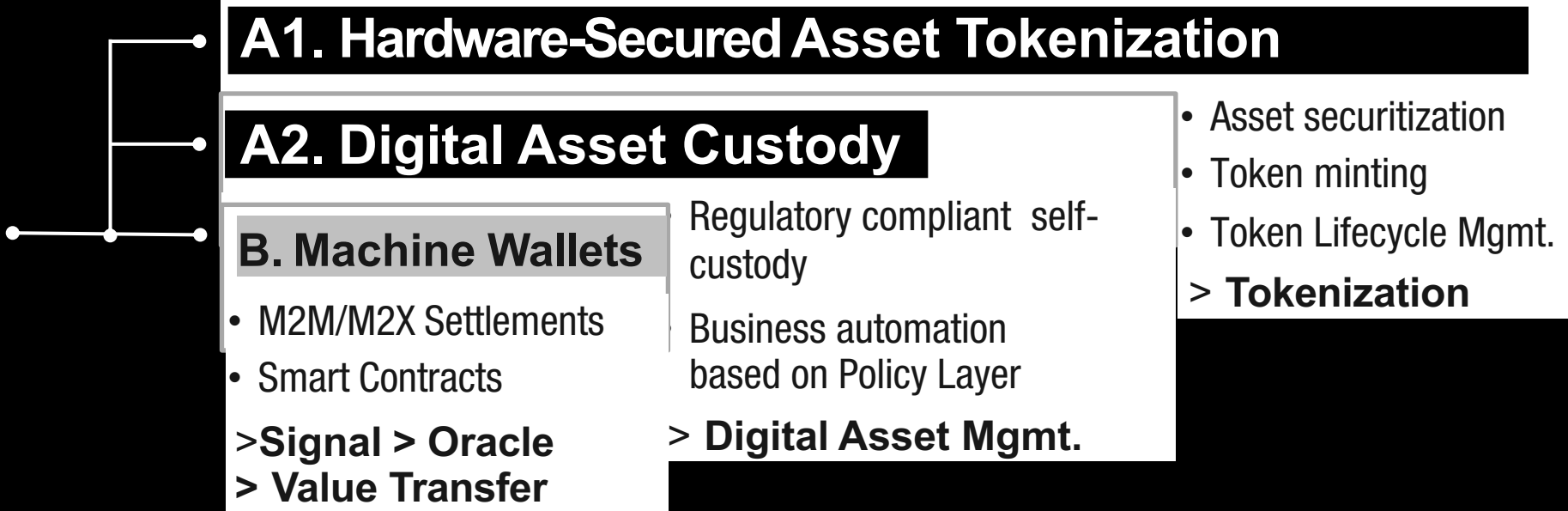
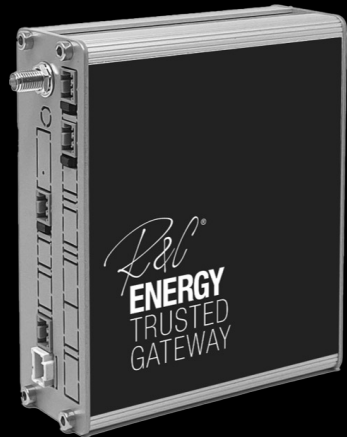
IMPROVED LIQUIDITY

More projects realizable & access to wider field of investors

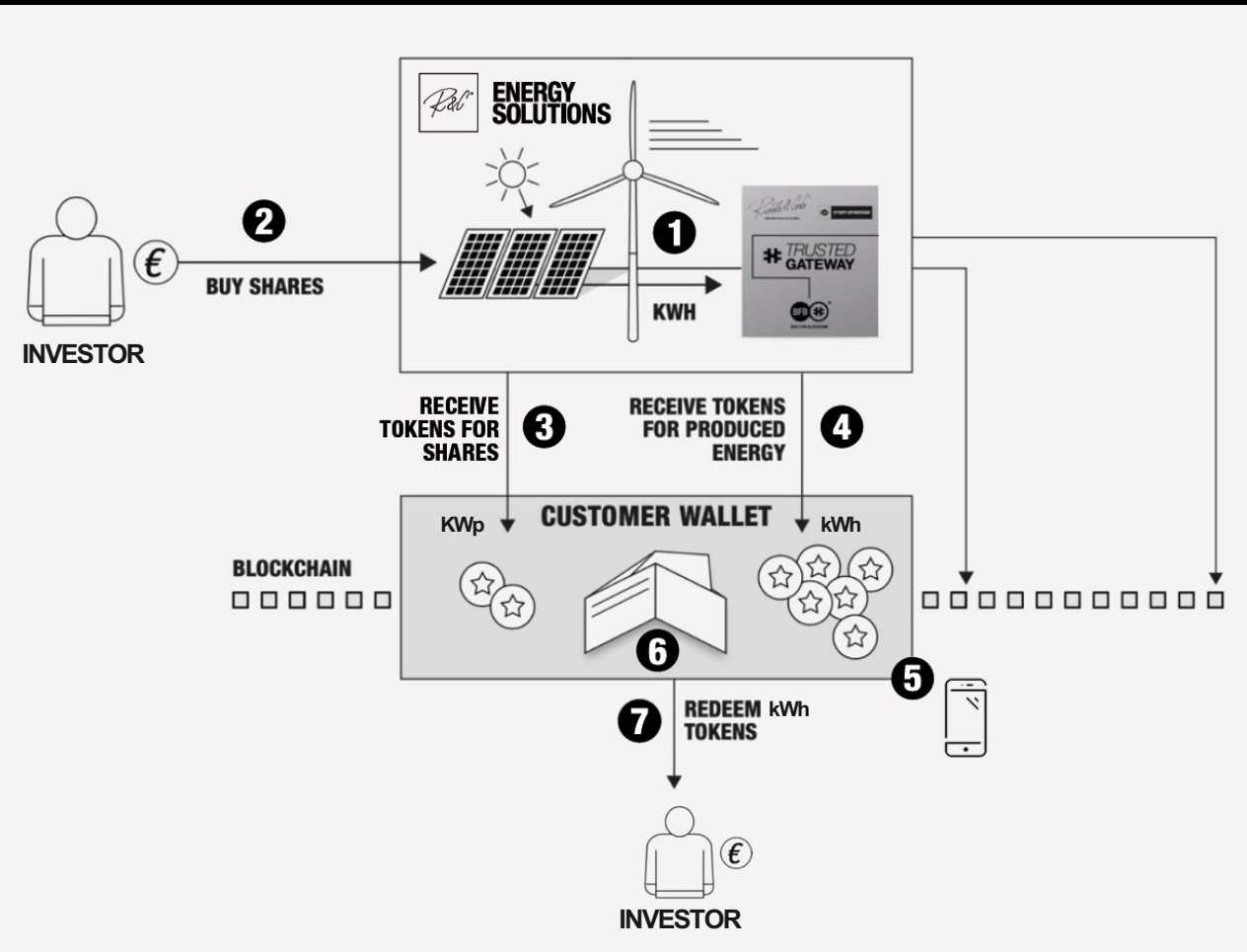


THE RIDDLE&CODE WAY TO TOKENIZE ENERGY

A REGULATORY COMPLIANT, TRANSPARENT AND SECURE BLOCKCHAIN-POWERED INFRASTRUCTURE THAT ALLOWS THE TOKENIZATION OF ENERGY. WE FOCUS ON THE TOKENIZATION OF PHYSICAL ASSETS IN THE INDUSTRIAL SEGMENT, PROVIDING HARDWARE AND SOFTWARE WALLETS FOR MACHINE-TO-MACHINE TRANSACTION & SETTLEMENT SERVICES.



USE CASE – CROWDFUNDING/MULTI-OWNERSHIP



1. A Trusted Gateway is connected to a power plant.
2. Investors buy micro-shares of PV plants (EURO).
3. In return, investors receive asset tokens (kWp) for the amount of energy equivalent to their shares.
4. As soon as the power plant starts operating, utility tokens (kWh) are minted according to the amount of electricity produced and distributed according to the number of shares (kWp tokens) each investor is holding in its wallet.
5. To monitor (in near realtime) and manage the token balance and co-sign transactions, investors need to install a mobile app that serves as a wallet.
6. The wallet is backed by RIDDLE&CODE's key management service in the cloud.
7. Customers can redeem their tokens at the end of each pay out period for a fixed price against EURO.



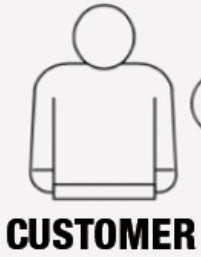
REAL LIFE EXAMPLE



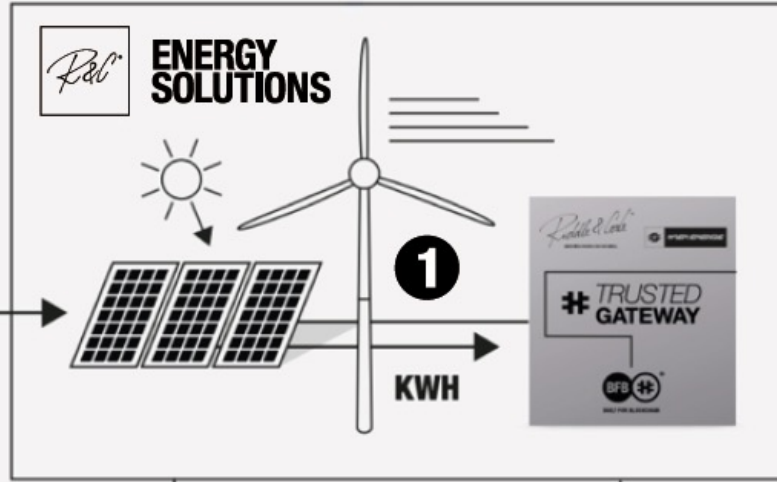
MYPower

**BLOCKCHAIN
BASED ENERGY
TOKENIZATION
PLATFORM**





2
BUY SHARES



3
RECEIVE
TOKENS FOR
SHARES

4
RECEIVE TOKENS
FOR PRODUCED
ENERGY

BLOCKCHAIN
□ □ □ □ □ □ □ □



5

7
REDEEM
TOKENS

INVOICE
PAY WIEN ENERGY
ELECTRICITY BILL



VOUCHER
BUY GROCERIES
AT A SUPERMARKET



CITIZEN OWNED POWER PLANT

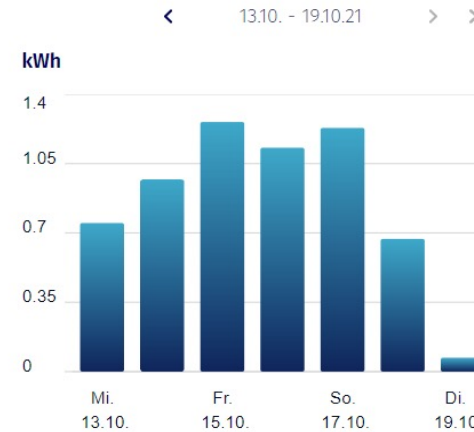
LIVE DATA DASHBOARD



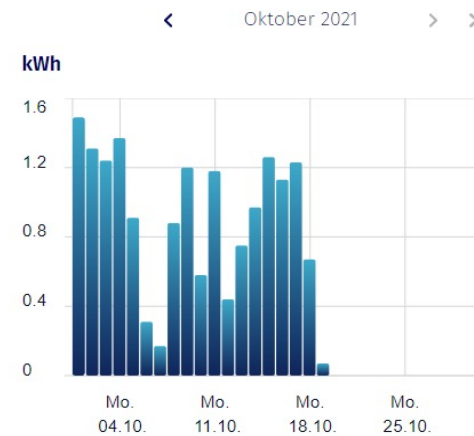
Dashboard

Energieproduktion aus Ihren Sonnenpaketen

Woche



Monat



Aktuelles Guthaben (1 Sonnenpaket)



Bei einer Vergütung von 17 Cent/kWh ergibt das eine Guthchrift von 23,46 EUR für das aktuelle Produktionsjahr.

Das entspricht



6%

vom Jahresverbrauch eines 2P-Haushalts



863 km

Fahrt mit einem E-Auto *



60 kg

CO2 Einsparung *



46x

Duschen *

**THE NEW IS
UNAVOIDABLE.**



BUILT FOR BLOCKCHAIN





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BACKUP



SERVICE OVERVIEW

WALLET MANAGEMENT

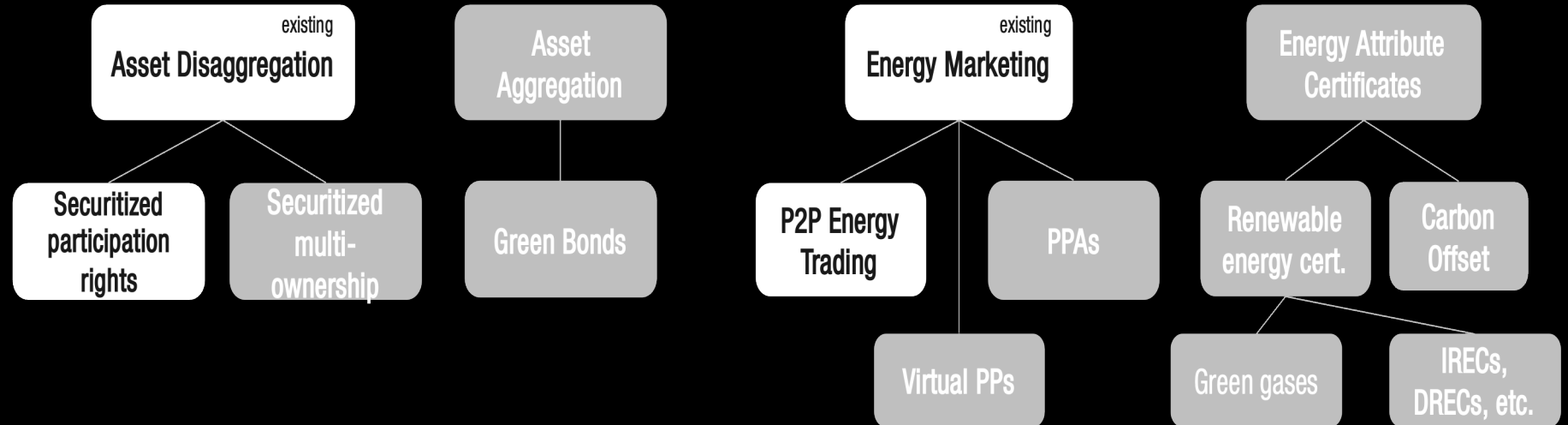
ASSET TOKENIZATION

ASSET TOKEN (kWp)

MyPower

UTILITY TOKEN (kWh)

MYPOWER APPS



DRIVE&STAKE 2022 SHOWCASE

Green Mobility Chain of Trust – Energy meets Mobility

- Tokenising and crypto-hardware certification of green energy production
- Automated settlement and green energy distribution on the charging points
- Autonomous Payment and green energy charging proofing from the Trusted Car Wallet
- Embedded Vehicles Smart Contract for Co2 certificates and monetization with Drive&Stake

R&C Energy token
Green energy production certification



R&C token
Green energy proof & Settlement

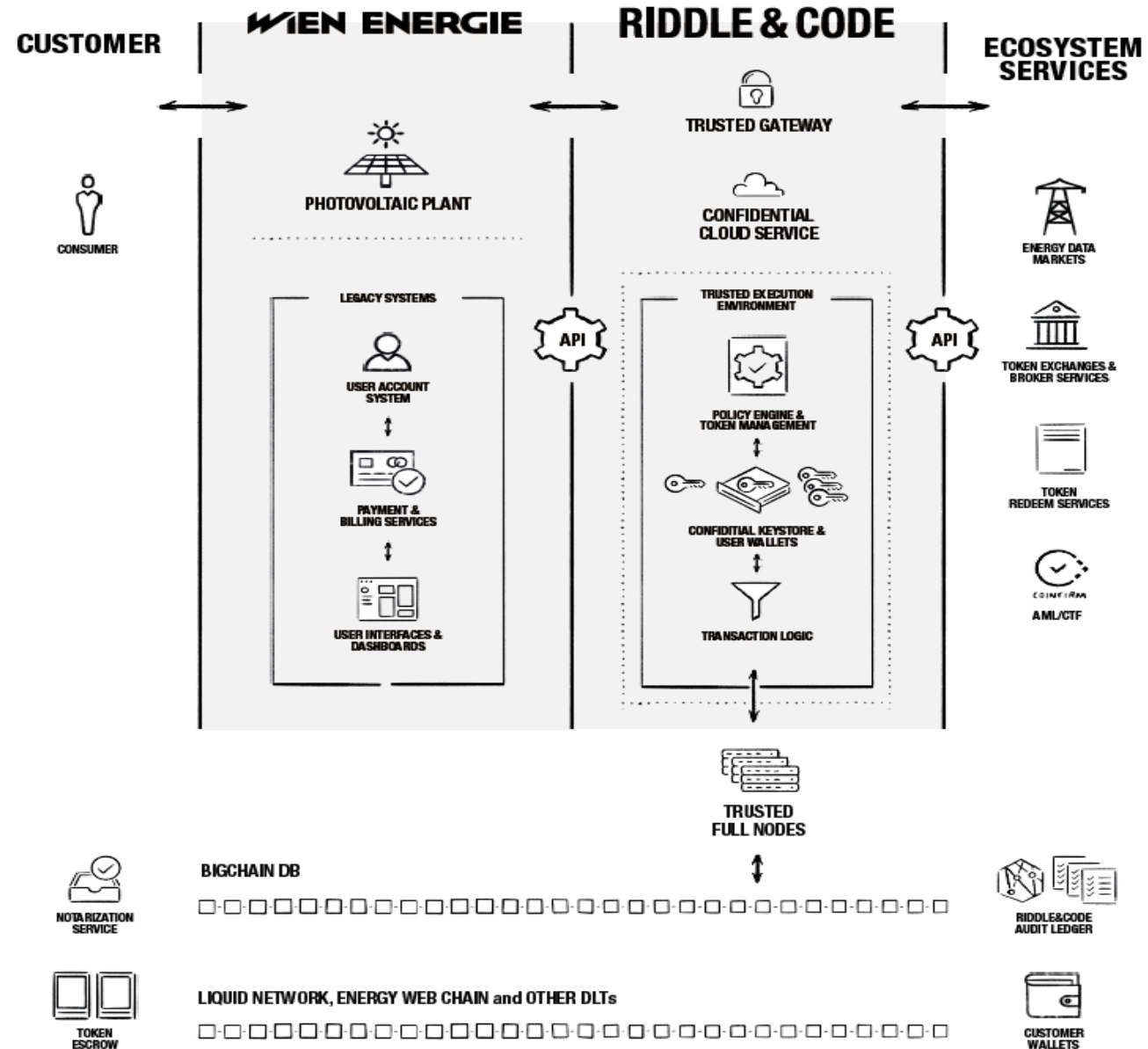


R&C token
Green energy proof & Payment



CEVT

ARCHI TECTURE





SUMMARY OF CORE CAPABILITIES

1. Tokenization of energy assets and generation data
2. Data provision in near-realtime
3. Hard- and software wallets for token management
4. Key management
5. APIs to easily integrate transaction data into existing architecture
6. Best in class data security and auditability
7. Highly intuitive operator- and end-user dashboards

